

LEAKE RURAL DISTRICT COUNCIL.

ANNUAL REPORT of the MEDICAL OFFICER of HEALTH.

for the year ending 31st December, 1907.  
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Gentlemen,

I have the honour to present to you my Annual Report on the health of your District, during the year 1907.

Area in Statute acres.	17076
Population (1901).	8709
Number of Inhabited Houses.	857
Average number of persons per house.	4.3

BIRTHS.

The total number of births registered was 79, which is 7 less than last year, and 13 below the average of the last 10 years; this is an annual birth-rate of 21.2 of the population.

MORTALITY.

The total number of deaths registered as occurring within the District was 50, which is 4 more than last year, but is 1 below the average of the last 10 years, to this number, however, must be added 4 deaths of residents of the district which occurred in Public Institutions beyond the District. This brings the number up to 54 which is an annual 14.5 per thousand of the population, which is the same as last and equal to the average of the last 10 years.

INFANT MORTALITY.

The total number of deaths under 1 year was 3, which is 3 less than last year, and 3 below the average of the last 10 years. This is an infantile mortality of 38 per thousand births registered, which is highly satisfactory, being the lowest infantile mortality in this district of which there are any records.

ZYMOTIC MORTALITY.

The total number of deaths from Zymotic diseases is 4, one from Scarlet Fever, one from Diphtheria, and two from Influenza. This is 2 more than last year, and equal to the average of the last 10 years, and is an annual Zymotic Mortality of 1.0 per thousand.

INFECTIOUS DISEASES NOTIFIED.

The total number of cases of Infectious Disease notified was 20, which is 4 more than last year, but is 8 below the average of the last 10 years.

The cases were as follows :-

Diphtheria.	16
Scarlet Fever.	3
Enteric Fever.	1



## DIPHTHERIA.

Sixteen cases of this disease occurred during the year, which is 14 more than last year, and 4 above the average of the last ten years.

Two cases occurred at Sutton Bonington. they were both of a mild type and not associated with local insanitary conditions; in one case, however, the water supply was bad.

Four cases occurred at West Leake in one house, the disease was imported in this instance, the water supply was found to be impure.

The disquieting circumstance in connection with this disease is its recrudescence at East Leake, after a practical immunity of over 8 years. It will be remembered, that in years 1903 and 1904 the disease became epidemic among children attending the Elementary Schools, 20 cases being notified in the former year and 57 in the latter. Various minor sanitary improvements were carried out in the Parish during these two years, but finally it was decided to close the Schools for three months. The Nottinghamshire County Council during the period and a further period of two months practically constructed new Schools of an up to date character, the only drawback was that it was found impossible to provide a pure water supply on these School premises. However the segregation of the children, and the new cleanly and well ventilated Schools had the effect of practically stamping out the epidemic, as after the opening of the schools and during the years 1905 and 1906 only three cases occurred at East Leake.

During the year under consideration two cases occurred in January, one in the Main Street and one in the Green. In one case there was no drainage, and in both the water supply was found to be impure.

There were no other cases in the village until the 12th of October when two cases were notified, next door to one another in the Long Row, Main Street. In the home of one of these cases the house drain was blocked and the water supply was impure; in the other case, the water supply was found to be impure, and in this latter case the disease spread to two other Members of the Family, and also to the family of a relation, a little lower down the Street, in which case the water was also found to be impure. On November 4th a case was notified in Kirkleys Road, these premises were cleanly and well kept, but the drinking water was impure. On November 12th a case was notified at Carver's Yard, and on December 10th one case near the Baptist Chapel, in both of which cases the water supply was contaminated.

The fact can no longer be concealed that it is practically impossible to get a good water supply in the village of East Leake, and the cause of this state of things is in my opinion a filth saturated surface and subsoil due to defective drainage, defective sewers, and defective sewage outfalls.

The Parish Council are quite alive to the Sanitary defects of the village, and a deputation waited on the District Council in December, 1907 to confer as to the best steps to be taken in order to remedy these defects. It is contemplated employing a competent Sanitary Engineer to inspect the Parish with a view of reporting as to the best means of drainage, sewerage, and sewage purification works, and also the best means of supplying a pure water supply, possibly a public one.





### SCARLET FEVER.

Three cases of this disease occurred; two at Rempstone in one house, and one at Costock, this latter case terminated fatally; in neither case was there any spread of the disease beyond the family first affected; the Rempstone cases were associated with local insanitary conditions, which were remedied by order of the District Council.

This is 9 cases less than last year and 7 below the average for the last 10 years.

### ENTERIC FEVER.

One case of this disease occurred at West Leake; the case was convalescent when notified and there were no insanitary conditions.

### WATER SUPPLY.

The water supply of the district is derived exclusively from wells, and as the quality of well water is constantly liable to change on account of contamination by soakage of liquid filth from the surface of the adjacent ground movement of subsoil water etc, the matter has received constant attention during the year. 32 samples of drinking water were submitted to me for analysis by your Inspector of Nuisances. In 18 cases the water was so impure as to justify me in condemning it as unfit for drinking. In each of these cases steps were taken to provide a suitable supply of drinking water.

### HOUSE REFUSE - COLLECTION AND DISPOSAL.

This is accomplished in the old fashioned manner by the common midden and privy arrangements and has answered fairly satisfactorily.

Cases of over-full and leaky middens occasionally occur, but they are soon detected by the Inspector, who takes steps to have the nuisance abated and a recurrence prevented.

### DRAINAGE.

Throughout the whole district, liquid house refuse and slopwater, other than that which is collected in the middens above mentioned, <sup>run off by the natural channels of drainage</sup> which in most instances, are long dykes leading to the nearest river or brook; most of the suspended matter is deposited from the sewage water in these dykes, which are periodically cleansed by order of the Council. Notwithstanding this cleansing of the sewage outfall dykes, in some of the larger villages such as East Leake and Sutton Bonington, these sewage outfall dykes become a nuisance. Under the heading of Diphtheria I have indicated the steps which are being initiated to bring about a better condition of things in this respect at East Leake, while at Sutton Bonington, application is being made by the District Council for power to raise a loan for sewerage and sewage purification works.

### INSPECTIONS.

The Inspector of Nuisances reports that he has made 496 inspections of premises situated in the several Parishes comprising the District, and that he has disinfected 17 houses after infectious disease.

That he has taken 32 samples of drinking water for analysis.

That two new wells have been provided, and seventeen wells have been cleansed and their surroundings examined.



That over-crowding has been abated in one dwelling house.

That ten middens have been emptied by order of the Authority, and one new midden and privy provided.

That five insanitary premises were cleansed and put in proper state of repair.

That in 8 instances defective drains were taken up and cleansed by order of the Council.

#### DAIRIES, COWSHEDS AND MILKSHOPS

Three fresh dairies have been registered, during the year.

All the Dairies and Cowsheds in the District are in a fair state of cleanliness.

#### FACTORY AND WORKSHOPS ACT, 1901.

The number of Workshops and Workplaces in the register is 47.

Eleven lists of outworkers have been received from employers, comprising 162 outworkers.

48 inspections have been made of outworkers premises, on account of the presence of infectious disease, also in two workshops.

Three workshops and one bakehouse were cleansed, and defective sanitary accommodation in one bakehouse was remedied.

Appended are tabulated Statistics as to population, births and mortality, for the present and ten previous years, also of infectious diseases notified during the year, and of deaths classified according to diseases, ages and localities, also of deaths under one year, classified according to diseases and ages, copies of which as well as of the report, when printed, it will be necessary to send to the Nottinghamshire County Council, the Home Office, and the Local Government Board.

I have the honour to be, Gentlemen,  
Your Obedient Servant,

THOMAS CORCORAN.

Medical Officer of Health.





# STATISTICS.

Mortality from subjoined cases:- Scarlet Fever 1, Epidemic Influenza 2, Diseases and accidents of parturition 1, Diphtheria and Membrane Croups 1, Phthisis 5, Cancer 4, Bronchitis 3, Pneumonia 2, Heart Disease 8, Accidents 2, Suicides 2, All other causes 23; Total 54.

Parish.	Births Registered	Average last 10 years	Deaths Registered	Average last 10 years
Costock.	5	6	8	5
East Leake.	27	27	15	12
Normanton.	6	9	6	4
Rempstone.	1	7	4	4
Stanford.	4	4	2	2
Sutton Bonington.	14	20	13	15
Thorpe in Glebe &	6	4	2	2
West Leake. (Wysall)	4	2	2	1
Willoughby.	12	10	2	6

Total Births registered	79
Average last 10 years	92
Rate per 1000 for last year	21.2
Average last 10 years	24.9
Total Deaths registered	50.5
Average last 10 years	51
Rate per 1000 for last year	13.4
Average last 10 years	14.1

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To the Chairman and Members of the  
Leake Rural District Council.

Gentlemen,

During the year 1907, I have made 436 inspections of the parishes comprising the Leake District.

Houses disinfected after infectious disease at the expense of the Authority.....	17
Samples of water taken for analysis.....	22
Wells cleansed and surroundings examined.....	7
New wells provided.....	1
Overcrowding of houses abated.....	1
Middens and ashes-bins emptied by order.....	10
New middens and ashes-bins provided,.....	1
Dirty workshops cleansed.....	3
Insanitary premises remedied.....	5
Drains taken up and cleansed by order.....	8
Drains taken up, cleansed, or new ones provided .....	6

The sewage dykes in the various parishes have been cleansed as often as required.

The Cowsheds and Dairies of the Purveyors of Milk are fairly well kept.

Two fresh dairies have been registered during the year.

I am, Gentlemen,  
Your Obedient Servant,

East Leake.  
1st February, 1908.

GALLIO BOWLES.

Inspector of Nuisances

